

1. (Currently Amended) An extraction tool for extracting spiral threaded inserts, the extraction tool comprising:

an elongated basic body having a first end, a second end, and a longitudinal axis;

an extracting tip on the body first end, the extracting tip having a front end and narrowing toward the front of the extraction tip, the extracting tip for being inserted with a cutting action into the threaded insert to be extracted;

means for turning the extraction tool about the body longitudinal axis on the body second end;

wherein at least a section of the extracting tip has the shape of a steep-angle truncated pyramid, such that edges of the extracting tip pyramid press into the entire depth of the threaded insert when the extracting tip plunges into the threaded insert; and

wherein the extracting tip comprises a true square cross section.

2. (Cancelled)

3. (Previously Presented) An extraction tool for extracting spiral threaded inserts, the extraction tool comprising:

an elongated basic body having a first end, a second end, and a longitudinal axis;

an extracting tip on the body first end, the extracting tip having a front end and narrowing toward the front of the extraction tip, the extracting tip for being inserted with a cutting action into the threaded insert to be extracted;

means for turning the extraction tool about the body longitudinal axis on the body second end;

wherein at least a section of the extracting tip has the shape of a steep-angle truncated pyramid;

wherein the extracting tip comprises a true square cross section; and

wherein the angle of inclination of the faces of the truncated pyramid relative to the perpendicular is about 1.5°.

4. (Previously Presented) The extraction tool as claimed in claim 1, wherein the extracting tip is releasably held in the extraction tool.
5. (Previously Presented) The extraction tool as claimed in claim 4, wherein the extracting tip is screwed to the body.
6. (Previously Presented) The extraction tool as claimed in claim 5, further comprising:
a thread on the extracting tip; and
a fastening screw for screwing the extracting tip to the body, the fastening screw being inserted through the body into the thread on the extracting tip and being supported on the body first end.
7. (Previously Presented) The extraction tool as claimed in claim 4, further comprising:
an insert inserted into and rotationally fixed relative to the body;
wherein the extracting tip comprises a section in the shape of a truncated pyramid and an adjoining square section, the extracting tip square section sitting in and rotationally fixed relative to the insert.
8. (Previously Presented) The extraction tool as claimed in claim 1, wherein the extracting tip is made of hardened steel.
9. (Previously Presented) The extraction tool as claimed in claim 1, wherein the means for turning the extraction tool comprises a hexagonal tubular piece.

10. (Previously Presented) The extraction tool as claimed in claim 1, further comprising:

means for receiving an impact adapter in the body second end.

11. (Previously Presented) The extraction tool as claimed in claim 1, wherein the body comprises a plurality of parts integrally connected to one another.

12. (Currently Amended) A method of using an extraction tool for extracting a threaded insert, the method comprising:

providing an extraction tool as claimed in claim 1; for extracting spiral threaded inserts, the extraction tool comprising

an elongated basic body having a first end, a second end, and a longitudinal axis,

an extracting tip on the body first end, the extracting tip having a front end and narrowing toward the front of the extraction tip, the extracting tip for being inserted with a cutting action into the threaded insert to be extracted,

means for turning the extraction tool about the body longitudinal axis on the body second end,

wherein at least a section of the extracting tip has the shape of a steep-angle truncated pyramid, and

wherein the extracting tip comprises a true square cross section;

selecting an extracting tip matching an inside diameter of the threaded insert;

inserting the extracting tip into the extraction tool;

inserting the extraction tool with the extracting tip through an inspection port into the threaded insert to be extracted;

driving the extracting tip into the threaded insert by striking the second end of the extraction tool, so that edges of the extracting tip press into the threaded insert and connect the extracting tip to the threaded insert in a rotationally fixed manner, and so that the edges of the

extracting tip press into the threaded insert over the entire depth to which the extracting tip plunges into the threaded insert;

unscrewing the threaded insert by turning the extraction tool about a longitudinal axis of the extraction tool; and

pulling the threaded insert sitting on the extracting tip through the inspection port.

13. (Currently Amended) ~~The method as claimed in claim 12,~~ A method of using an extraction tool for extracting a threaded insert, the method comprising:

providing an extraction tool; for extracting spiral threaded inserts, the extraction tool comprising

an elongated basic body having a first end, a second end, and a longitudinal axis,

an extracting tip on the body first end, the extracting tip having a front end and narrowing toward the front of the extraction tip, the extracting tip for being inserted with a cutting action into the threaded insert to be extracted,

means for turning the extraction tool about the body longitudinal axis on the body second end,

wherein at least a section of the extracting tip has the shape of a steep-angle truncated pyramid, and

wherein the extracting tip comprises a true square cross section;

selecting an extracting tip matching an inside diameter of the threaded insert;

inserting the extracting tip into the extraction tool;

inserting the extraction tool with the extracting tip through an inspection port into the threaded insert to be extracted;

driving the extracting tip into the threaded insert by striking the second end of the extraction tool, so that edges of the extracting tip press into the threaded insert and connect the extracting tip to the threaded insert in a rotationally fixed manner;

unscrewing the threaded insert by turning the extraction tool about a longitudinal axis of the extraction tool; and

_____ pulling the threaded insert sitting on the extracting tip through the inspection port;
_____ wherein driving the extracting tip comprises driving into the threaded insert so that the
edges of the extracting tip press into the threaded insert over substantially the entire depth to
which the extracting tip plunges into the threaded insert.

14. (Previously Presented) The extraction tool as claimed in claim 7, wherein the insert comprises a hexagonal section inserted in the body.

15. (Currently Amended) ~~The extraction tool as claimed in claim 11, An extraction tool for extracting spiral threaded inserts, the extraction tool comprising:~~
_____ an elongated basic body having a first end, a second end, and a longitudinal axis;
_____ an extracting tip on the body first end, the extracting tip having a front end and narrowing
toward the front of the extraction tip, the extracting tip for being inserted with a cutting action
into the threaded insert to be extracted;
_____ means for turning the extraction tool about the body longitudinal axis on the body second
end;
_____ wherein at least a section of the extracting tip has the shape of a steep-angle truncated
pyramid;
_____ wherein the extracting tip comprises a true square cross section;
_____ wherein the body comprises a plurality of parts integrally connected to one another; and
_____ wherein the parts comprise a receptacle with a hexagon socket, an intermediate piece, a
tube, and a hexagonal tubular piece.

16. (Previously Presented) The extraction tool as claimed in claim 11, wherein the parts are welded to one another.

17. (Currently Amended) The method as claimed in claim 12, wherein inserting the extraction tool into the inspection port comprises inserting into an inspection port in a casing of a gas turbine.

18. (Previously Presented) The extraction tool as claimed in claim 3, wherein the extracting tip is releasably held in the extraction tool.

19. (Previously Presented) The extraction tool as claimed in claim 18, wherein the extracting tip is screwed to the body.

20. (Previously Presented) The extraction tool as claimed in claim 19, further comprising:

a thread on the extracting tip; and

a fastening screw for screwing the extracting tip, the fastening screw being inserted through the body into the thread on the extracting tip and being supported on that the body first end.

21. (Previously Presented) The extraction tool as claimed in claim 19, further comprising:

an insert inserted into and rotationally fixed relative to the body;

wherein the extracting tip comprises a section in the shape of a truncated pyramid and an adjoining square section, the extracting tip square section sitting in and rotationally fixed relative to the insert.

22. (Previously Presented) The extraction tool as claimed in claim 3, wherein the extracting tip is made of hardened steel.

23. (Previously Presented) The extraction tool as claimed in claim 3, wherein the means for turning the extraction tool comprises a hexagonal tubular piece.
24. (Previously Presented) The extraction tool as claimed in claim 3, further comprising:
means for receiving an impact adapter in the body second end.
25. (Previously Presented) The extraction tool as claimed in claim 3, wherein the body comprises a plurality of parts integrally connected to one another.
26. (Currently Amended) ~~The method as claimed in Claim 12,~~ A method of using an extraction tool for extracting a threaded insert, the method comprising:
providing an extraction tool for extracting spiral threaded inserts comprising
an elongated basic body having a first end, a second end, and a longitudinal axis,
an extracting tip on the body first end, the extracting tip having a front end and
narrowing toward the front of the extraction tip, the extracting tip for being inserted with a
cutting action into the threaded insert to be extracted,
means for turning the extraction tool about the body longitudinal axis on the body
second end,
wherein at least a section of the extracting tip has the shape of a steep-angle
truncated pyramid, and
wherein the extracting tip comprises a true square cross section;
selecting an extracting tip matching an inside diameter of the threaded insert;
inserting the extracting tip into the extraction tool;
inserting the extraction tool with the extracting tip through an inspection port into the
threaded insert to be extracted;

driving the extracting tip into the threaded insert by striking the second end of the extraction tool, so that edges of the extracting tip press into the threaded insert and connect the extracting tip to the threaded insert in a rotationally fixed manner;
unscrewing the threaded insert by turning the extraction tool about a longitudinal axis of the extraction tool; and
pulling the threaded insert sitting on the extracting tip through the inspection port
wherein providing an extraction tool comprises providing an extraction tool having an angle of inclination of the faces of the truncated pyramid relative to the perpendicular of about 1.5°.

27. (Currently Amended) ~~The method as claimed in claim 26,~~ A method of using an extraction tool for extracting a threaded insert, the method comprising:

providing an extraction tool for extracting spiral threaded inserts comprising
an elongated basic body having a first end, a second end, and a longitudinal axis,
an extracting tip on the body first end, the extracting tip having a front end and
narrowing toward the front of the extraction tip, the extracting tip for being inserted with a
cutting action into the threaded insert to be extracted,
means for turning the extraction tool about the body longitudinal axis on the body
second end,
wherein at least a section of the extracting tip has the shape of a steep-angle
truncated pyramid, and
wherein the extracting tip comprises a true square cross section;
selecting an extracting tip matching an inside diameter of the threaded insert;
inserting the extracting tip into the extraction tool;
inserting the extraction tool with the extracting tip through an inspection port into the
threaded insert to be extracted;

driving the extracting tip into the threaded insert by striking the second end of the extraction tool, so that edges of the extracting tip press into the threaded insert and connect the extracting tip to the threaded insert in a rotationally fixed manner;

unscrewing the threaded insert by turning the extraction tool about a longitudinal axis of the extraction tool; and

pulling the threaded insert sitting on the extracting tip through the inspection port

wherein providing an extraction tool comprises providing an extraction tool having an angle of inclination of the faces of the truncated pyramid relative to the perpendicular of about 1.5°;

wherein driving the extracting tip comprises driving into the threaded insert so that the edges of the extracting tip press into the threaded insert over substantially the entire depth to which the extracting tip plunges into the threaded insert.

28. (Previously Presented) The extraction tool as claimed in claim 21, wherein the insert comprises a hexagonal section inserted into the body.

29. (Previously Presented) The extraction tool as claimed in claim 25, wherein the parts comprise a receptacle with a hexagon socket, an intermediate piece, a tube, and a hexagonal tubular piece.

30. (Previously Presented) The extraction tool as claimed in claim 25, wherein the parts are welded to one another.

31. (Currently Amended) ~~The method as claimed in claim 26,~~ A method of using an extraction tool for extracting a threaded insert, the method comprising:

providing an extraction tool for extracting spiral threaded inserts comprising

an elongated basic body having a first end, a second end, and a longitudinal axis,

_____ an extracting tip on the body first end, the extracting tip having a front end and narrowing toward the front of the extraction tip, the extracting tip for being inserted with a cutting action into the threaded insert to be extracted,

_____ means for turning the extraction tool about the body longitudinal axis on the body second end,

_____ wherein at least a section of the extracting tip has the shape of a steep-angle truncated pyramid, and

_____ wherein the extracting tip comprises a true square cross section;

_____ selecting an extracting tip matching an inside diameter of the threaded insert;

_____ inserting the extracting tip into the extraction tool;

_____ inserting the extraction tool with the extracting tip through an inspection port into the threaded insert to be extracted;

_____ driving the extracting tip into the threaded insert by striking the second end of the extraction tool, so that edges of the extracting tip press into the threaded insert and connect the extracting tip to the threaded insert in a rotationally fixed manner;

_____ unscrewing the threaded insert by turning the extraction tool about a longitudinal axis of the extraction tool; and

_____ pulling the threaded insert sitting on the extracting tip through the inspection port

_____ wherein providing an extraction tool comprises providing an extraction tool having an angle of inclination of the faces of the truncated pyramid relative to the perpendicular of about 1.5°;

_____ wherein the inspection port comprises an inspection port in a casing of a gas turbine.

32. (New) A system comprising:

a threaded insert; and

an extraction tool as claimed in Claim 1 positioned in said threaded insert;

wherein edges of the extracting tip pyramid are pressed into the entire depth of the threaded insert.